

### Occupational Group Summary for West Central Wisconsin

SOC Code	Occupational Groups	Estimate employment		Change		Annual average			Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replace-ments	Total Openings		
00-0000	Total, All	171,420	195,270	23,850	13.9%	2,390	4,250	6,640	\$30,278	\$8.81 - \$17.39
11-0000	Management	6,640	7,700	1,060	16.0%	110	120	230	\$59,965	\$11.89 - \$37.60
13-0000	Business/Financial Operations	4,630	5,560	930	20.1%	90	90	180	\$44,518	\$15.04 - \$26.27
15-0000	Computer & Mathematical	1,980	2,520	540	27.3%	50	30	80	\$54,432	\$17.70 - \$31.71
17-0000	Architecture/Engineering	2,890	3,080	190	6.6%	20	70	90	\$56,794	\$18.39 - \$32.55
19-0000	Life, Physical, and Social Sciences	1,420	1,660	240	16.9%	20	30	50	\$43,213	\$12.50 - \$25.86
21-0000	Community/Social Services	2,720	3,290	570	21.0%	60	50	110	\$36,187	\$13.19 - \$20.94
23-0000	Legal	640	780	140	21.9%	10	10	20	\$65,375	\$15.36 - \$49.06
25-0000	Education, Training, & Library	10,780	12,800	2,020	18.7%	200	230	430	\$38,406	\$12.63 - \$23.90
27-0000	Arts/Design/Entertainment/Sports/Media	1,930	2,200	270	14.0%	30	40	70	\$30,816	\$8.95 - \$17.72
29-0000	Healthcare Practitioners & Technical	7,990	10,350	2,360	29.5%	240	150	390	\$46,390	\$14.17 - \$25.34
31-0000	Healthcare Support	5,680	7,550	1,870	32.9%	190	90	280	\$22,005	\$9.02 - \$11.95
33-0000	Protective Service	3,140	3,560	420	13.4%	40	90	130	\$29,175	\$9.50 - \$17.99
35-0000	Food Preparation & Serving	16,360	18,440	2,080	12.7%	210	650	860	\$16,702	\$6.36 - \$8.98
37-0000	Build & Grounds Cleaning/Maintenance	5,510	6,360	850	15.4%	90	110	200	\$21,159	\$7.85 - \$11.96
39-0000	Personal Care and Service	4,090	5,140	1,050	25.7%	110	100	210	\$19,062	\$7.11 - \$10.36
41-0000	Sales and Related	17,560	20,020	2,460	14.0%	250	630	880	\$25,356	\$7.15 - \$13.76
43-0000	Office and Administrative Support	26,410	27,970	1,560	5.9%	160	620	780	\$25,451	\$9.21 - \$14.21
45-0000	Farming/Fishing/Forestry	250	270	20	8.0%	0	10	10	\$25,189	\$9.51 - \$13.94
47-0000	Construction/Extraction	7,550	9,180	1,630	21.6%	160	150	310	\$35,119	\$12.46 - \$20.85
49-0000	Installation/Maintenance/Repairers	6,720	7,640	920	13.7%	90	160	250	\$31,912	\$11.66 - \$18.07
51-0000	Production	22,550	23,400	850	3.8%	90	540	630	\$28,016	\$10.03 - \$15.84
53-0000	Transportation and Material Moving	14,010	15,790	1,780	12.7%	180	300	480	\$26,419	\$8.74 - \$15.37

(see notes on page 2)

**Notes:**

- (1) Employment is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding. Employment does not include self-employed or unpaid family workers.
- (2) Replacements are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver. Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) Total openings are the sum of new jobs and replacements.
- (4) Average Annual Salary: An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.
- (5) Hourly Wage Rate - Middle Range: The middle range identifies the 25th and 75th percentiles in the hourly wage distribution for a given occupation. Fifty percent of the workers in the occupation earn wages in this range. In most cases, the entry level wage is at or below the 25th percentile.

Information is derived using the May 2003 OES Survey, 2002 QCEW and 2002 CES (3/03 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2002 to 2012. It is important to note that unanticipated events may affect the accuracy of these projections.

**Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004**

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## Occupation projections for West Central Wisconsin: 2002 - 2012

### Top 50 Occupations with Most New Jobs

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Education typically required	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replace-ments	Total Openings			
29-1111	Registered Nurses	3,010	3,940	930	30.9%	90	60	150	Bachelor's or Assoc. degree (see note 9)	\$47,381	\$19.16 - \$25.69
41-2031	Retail Salespersons	5,550	6,300	750	13.5%	80	200	280	Short-term on-the-job training	\$21,836	\$7.16 - \$12.02
41-2011	Cashiers	5,520	6,230	710	12.9%	70	270	340	Short-term on-the-job training	\$15,547	\$6.35 - \$8.41
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	3,200	3,880	680	21.3%	70	140	210	Short-term on-the-job training	\$14,782	\$6.03 - \$8.04
31-1012	Nursing Aides/Orderlies/Attendants	3,060	3,790	730	23.9%	70	40	110	Short-term on-the-job training	\$21,243	\$8.84 - \$11.37
53-3032	Truck Drivers/Heavy/Tractor-Trailer	2,840	3,450	610	21.5%	60	50	110	Moderate-term on-the-job training	\$33,761	\$13.00 - \$19.36
35-3031	Waiters/Waitresses	3,300	3,760	460	13.9%	50	170	220	Short-term on-the-job training	\$15,646	\$6.01 - \$7.97
31-1011	Home Health Aides	960	1,450	490	51.0%	50	10	60	Short-term on-the-job training	\$19,847	\$8.54 - \$10.54
37-2011	Janitors/Cleanrs Ex Maids/Hskpng	2,830	3,220	390	13.8%	40	50	90	Short-term on-the-job training	\$21,870	\$8.33 - \$12.45
41-4012	Sls Reps/Whls/Mfg/Ex Tech/Sci Prod	1,880	2,230	350	18.6%	40	50	90	Moderate-term on-the-job training	\$48,927	\$15.16 - \$29.22
43-4051	Customer Service Reps	1,880	2,260	380	20.2%	40	30	70	Moderate-term on-the-job training	\$27,788	\$9.62 - \$16.22
47-2031	Carpenters	1,520	1,870	350	23.0%	40	30	70	Long-term on-the-job training	\$33,082	\$12.87 - \$17.74
43-4171	Receptionists/Info Clerks	1,400	1,790	390	27.9%	40	30	70	Short-term on-the-job training	\$19,741	\$7.84 - \$10.97
39-9021	Personal and Home Care Aides	950	1,350	400	42.1%	40	20	60	Short-term on-the-job training	\$17,713	\$7.25 - \$9.73
11-1021	General and Operations Mgrs	1,790	2,080	290	16.2%	30	30	60	Bachelor's degree or more, plus work exp.	\$81,908	\$23.19 - \$49.71
49-9042	Maint/Repair Wrks/General	1,630	1,890	260	16.0%	30	30	60	Long-term on-the-job training	\$30,336	\$11.85 - \$16.99
41-1011	F-L Sups/Mgrs of Rtl Sls Wrks	1,560	1,830	270	17.3%	30	30	60	Work exp. in a related occupation	\$34,009	\$11.00 - \$19.79
25-9041	Teacher Assts	1,540	1,810	270	17.5%	30	30	60	Associate degree	\$22,979	-
53-3033	Truck Drivers/Light or Delivery Svcs	1,520	1,830	310	20.4%	30	10	40	Short-term on-the-job training	\$26,149	\$8.57 - \$15.37
43-9061	Office Clerks/General	2,750	2,990	240	8.7%	20	60	80	Short-term on-the-job training	\$21,285	\$8.12 - \$12.24
25-2021	Elemen Schl Tchrs Ex Special Ed	1,840	2,030	190	10.3%	20	40	60	Bachelor's degree	\$41,498	-
25-2031	Secondary Schl Tchrs Ex Sp/Voc Ed	1,540	1,760	220	14.3%	20	40	60	Bachelor's degree	\$40,149	-
35-2021	Food Prep Wrks	1,130	1,350	220	19.5%	20	40	60	Short-term on-the-job training	\$17,085	\$7.18 - \$9.25
53-7064	Packers/Packagers/Hand	1,560	1,730	170	10.9%	20	30	50	Short-term on-the-job training	\$19,133	\$6.61 - \$11.08
51-1011	First-Line Sups/Mgrs of Prdn/Operat Wrks	1,460	1,640	180	12.3%	20	30	50	Work exp. in a related occupation	\$46,083	\$15.88 - \$26.33
37-2012	Maids/Housekpng Cleaners	1,380	1,620	240	17.4%	20	30	50	Short-term on-the-job training	\$17,152	\$7.13 - \$9.37
53-7051	Industrial Truck/Tractor Ops	1,400	1,580	180	12.9%	20	30	50	Short-term on-the-job training	\$27,094	\$11.57 - \$14.94
13-2011	Accountants and Auditors	970	1,160	190	19.6%	20	20	40	Bachelor's degree	\$49,751	\$18.33 - \$27.43
33-3051	Police/Sheriff's Patrol Officers	910	1,070	160	17.6%	20	20	40	Long-term on-the-job training	\$38,829	\$15.48 - \$22.31
37-3011	Landscaping/Grndskpng Wrks	870	1,030	160	18.4%	20	20	40	Short-term on-the-job training	\$20,855	\$7.82 - \$12.03
47-2111	Electricians	760	990	230	30.3%	20	20	40	Long-term on-the-job training	\$44,311	\$16.95 - \$26.36

# Occupation projections for West Central Wisconsin: 2002 - 2012

## Top 50 Occupations with Most New Jobs

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Education typically required	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replace-ments	Total Openings			
29-2061	Licensed Pract/Vocational Nurses	800	950	150	18.8%	20	20	40	Postsecondary vocational training	\$31,928	\$13.68 - \$16.90
51-4121	Welders/Cutters/Solderers/Brazers	800	950	150	18.8%	20	20	40	Postsecondary vocational training	\$31,066	\$12.81 - \$16.93
47-2061	Construction Laborers	810	980	170	21.0%	20	10	30	Moderate-term on-the-job training	\$31,183	\$12.13 - \$17.46
39-5012	Hairdress/Hairstyl/Cosmetologists	620	770	150	24.2%	20	10	30	Postsecondary vocational training	\$23,114	\$8.19 - \$13.67
47-2152	Plumbers/Pipefitters/Steamfitters	600	750	150	25.0%	20	10	30	Long-term on-the-job training	\$41,443	\$13.75 - \$26.04
21-1093	Social/Human Service Assts	480	690	210	43.8%	20	10	30	Moderate-term on-the-job training	\$24,708	\$9.52 - \$13.64
39-9011	Child Care Wrks	530	680	150	28.3%	20	10	30	Short-term on-the-job training	\$16,512	\$6.68 - \$8.78
15-1051	Computer Systems Analysts	470	620	150	31.9%	20	10	30	Bachelor's degree	\$66,251	\$21.13 - \$40.81
31-9092	Medical Assts	340	540	200	58.8%	20	10	30	Moderate-term on-the-job training	\$24,607	\$10.13 - \$13.30
31-9091	Dental Assts	380	530	150	39.5%	20	10	30	Moderate-term on-the-job training	\$23,059	\$9.66 - \$12.68
53-7062	Labrs/Frght/Stock/Matrl Movers/Hand	3,000	3,100	100	3.3%	10	100	110	Short-term on-the-job training	\$20,460	\$7.76 - \$11.30
35-3011	Bartenders	1,820	1,940	120	6.6%	10	70	80	Short-term on-the-job training	\$16,880	\$6.98 - \$8.39
43-3031	Bookkeep/Account/Auditing Clerks	2,410	2,520	110	4.6%	10	50	60	Moderate-term on-the-job training	\$25,215	\$9.71 - \$14.11
43-3071	Tellers	860	980	120	14.0%	10	40	50	Short-term on-the-job training	\$19,687	\$7.84 - \$10.34
43-6011	Executive Secretaries/Admin Assts	1,770	1,890	120	6.8%	10	30	40	Moderate-term on-the-job training	\$28,740	\$10.72 - \$16.38
43-1011	First-Line Sups/Mgrs-Offc/Admin Supp Wrk	1,540	1,620	80	5.2%	10	30	40	Work exp. in a related occupation	\$38,659	\$12.13 - \$22.26
49-3023	Automotive Service Techs/Mechanics	1,200	1,330	130	10.8%	10	30	40	Postsecondary vocational training	\$28,971	\$11.00 - \$16.96
25-2022	Middle School Tchrs/Ex Sp./Voc Ed	1,110	1,170	60	5.4%	10	30	40	Bachelor's degree	\$41,159	-

Also included in the top fifty but not shown to protect the confidentiality of employers are the following occupations:

51-3023	Slaughterers/Meat Packers	*	*	*	*	20	20	40	Moderate-term on-the-job training	*	*
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Sub-set totals (top 50)	82,050	95,920	13,870		1,470	2,180	3,650
Overall totals	171,420	195,270	23,850		2,390	4,250	6,640
Percent of overall	48%	49%	58%		62%	51%	55%

**Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004**

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## Occupation projections for West Central Wisconsin: 2002 - 2012

### 50 Fastest Growing Occupations with estimated employment over 200 in 2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Education typically required	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
31-9092	Medical Assts	340	540	200	58.8%	20	10	30	Moderate-term on-the-job training	\$24,607	\$10.13 - \$13.30
29-2071	Medical Records/Health Info Techs	220	340	120	54.5%	10	<5	10	Associate degree	\$25,270	\$9.60 - \$14.70
31-1011	Home Health Aides	960	1,450	490	51.0%	50	10	60	Short-term on-the-job training	\$19,847	\$8.54 - \$10.54
21-1093	Social/Human Service Assts	480	690	210	43.8%	20	10	30	Moderate-term on-the-job training	\$24,708	\$9.52 - \$13.64
39-9021	Personal and Home Care Aides	950	1,350	400	42.1%	40	20	60	Short-term on-the-job training	\$17,713	\$7.25 - \$9.73
29-2021	Dental Hygienists	240	340	100	41.7%	10	<5	10	Associate degree	\$49,710	\$22.23 - \$27.29
29-1122	Occupational Therapists	170	240	70	41.2%	10	<5	10	Bachelor's degree	\$47,659	\$20.01 - \$26.29
29-1123	Physical Therapists	200	280	80	40.0%	10	<5	10	Master's degree	\$56,676	\$22.99 - \$31.99
31-9091	Dental Assts	380	530	150	39.5%	20	10	30	Moderate-term on-the-job training	\$23,059	\$9.66 - \$12.68
53-3041	Taxi Drivers and Chauffeurs	180	250	70	38.9%	10	<5	10	Short-term on-the-job training	\$16,854	\$6.98 - \$9.10
43-4111	Interviewers/Ex Eligibility/Loan	170	230	60	35.3%	10	10	20	Short-term on-the-job training	\$22,663	\$9.39 - \$12.48
21-1015	Rehabilitation Counselors	200	270	70	35.0%	10	10	20	Master's degree	\$33,366	\$13.15 - \$17.71
49-9021	Heating/AC/Refrig Mechs/Instlrs	230	310	80	34.8%	10	<5	10	Long-term on-the-job training	\$31,297	\$10.44 - \$19.47
11-9111	Medical/Health Services Mgrs	270	360	90	33.3%	10	10	20	Bachelor's degree or more, plus work exp.	\$59,363	\$21.89 - \$34.14
15-1031	Computer Software Engrns Apps	180	240	60	33.3%	10	<5	10	Bachelor's degree	\$67,101	\$24.02 - \$40.60
15-1071	Network/Computer Systems Admin	210	280	70	33.3%	10	<5	10	Bachelor's degree	\$49,715	\$17.66 - \$28.88
25-1194	Vocational Ed Teachers/Postsec	270	360	90	33.3%	10	10	20	Work exp. in a related occupation	\$60,007	\$24.62 - \$34.13
25-3021	Self-Enrichment Ed Teachers	210	280	70	33.3%	10	<5	10	Work exp. in a related occupation	\$27,089	\$10.95 - \$13.42
29-1051	Pharmacists	210	280	70	33.3%	10	<5	10	First professional degree	\$74,288	\$31.00 - \$42.74
47-2051	Cem Masons/Conc Finishrs	240	320	80	33.3%	10	10	20	Moderate-term on-the-job training	\$36,484	\$14.51 - \$20.36
15-1051	Computer Systems Analysts	470	620	150	31.9%	20	10	30	Bachelor's degree	\$66,251	\$21.13 - \$40.81
27-3031	Public Relations Specialists	190	250	60	31.6%	10	<5	10	Bachelor's degree	\$38,005	\$12.40 - \$21.35
29-1111	Registered Nurses	3,010	3,940	930	30.9%	90	60	150	Bachelor's or Associate degree (see note 9)	\$47,381	\$19.16 - \$25.69
11-2022	Sales Mgrs	260	340	80	30.8%	10	10	20	Bachelor's degree or more, plus work exp.	\$70,443	\$20.93 - \$42.43
47-2111	Electricians	760	990	230	30.3%	20	20	40	Long-term on-the-job training	\$44,311	\$16.95 - \$26.36
11-3021	Computer/Information Systems Mgrs	200	260	60	30.0%	10	<5	10	Bachelor's degree or more, plus work exp.	\$77,479	\$28.27 - \$44.16
39-9031	Fitness Trainers/Aerobics Instructors	240	310	70	29.2%	10	10	20	Postsecondary vocational training	\$20,107	\$7.43 - \$10.21
29-2052	Pharmacy Techs	210	270	60	28.6%	10	<5	10	Moderate-term on-the-job training	\$21,644	\$8.81 - \$11.50
39-9011	Child Care Wrkrs	530	680	150	28.3%	20	10	30	Short-term on-the-job training	\$16,512	\$6.68 - \$8.78
25-2011	Preschool Teachers/Ex Special Ed	500	640	140	28.0%	10	10	20	Bachelor's degree	\$18,616	\$7.17 - \$9.58
43-4171	Receptionists/Info Clerks	1,400	1,790	390	27.9%	40	30	70	Short-term on-the-job training	\$19,741	\$7.84 - \$10.97

## Occupation projections for West Central Wisconsin: 2002 - 2012

### 50 Fastest Growing Occupations with estimated employment over 200 in 2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Education typically required	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
13-1073	Training/Development Specialists	180	230	50	27.8%	10	<5	10	Bachelor's degree	\$43,057	\$13.29 - \$27.07
29-2041	Emergency Med Techs/Paramedics	360	460	100	27.8%	10	<5	10	Postsecondary vocational training	\$16,909	\$6.16 - \$9.81
31-9094	Medical Transcriptionists	220	280	60	27.3%	10	<5	10	Postsecondary vocational training	\$27,721	\$11.73 - \$15.41
23-1011	Lawyers	370	470	100	27.0%	10	10	20	First professional degree	\$90,107	\$30.50 - \$54.71
41-2021	Counter and Rental Clerks	410	520	110	26.8%	10	20	30	Short-term on-the-job training	\$18,596	\$6.54 - \$9.84
47-2211	Sheet Metal Wrks	390	490	100	25.6%	10	10	20	Moderate-term on-the-job training	\$31,125	\$10.70 - \$18.23
13-1111	Management Analysts	200	250	50	25.0%	10	<5	10	Bachelor's degree or more, plus work exp.	\$54,929	\$19.12 - \$32.40
25-2012	Kindergarten Tchrs Ex Special Ed	240	300	60	25.0%	10	<5	10	Bachelor's degree	\$39,284	-
25-2043	Special Ed Teachers/Sec School	160	200	40	25.0%	<5	<5	<5	Bachelor's degree	\$40,227	-
47-2152	Plumbers/Pipefitters/Steamfitters	600	750	150	25.0%	20	10	30	Long-term on-the-job training	\$41,443	\$13.75 - \$26.04
39-5012	Hairdress/Hairstyl/Cosmetologists	620	770	150	24.2%	20	10	30	Postsecondary vocational training	\$23,114	\$8.19 - \$13.67
43-3011	Bill/Account Collectors	250	310	60	24.0%	10	10	20	Short-term on-the-job training	\$25,085	\$9.77 - \$13.85
31-1012	Nursing Aides/Orderlies/Attendants	3,060	3,790	730	23.9%	70	40	110	Short-term on-the-job training	\$21,243	\$8.84 - \$11.37
11-9033	Educ Admin, Postsecondary	210	260	50	23.8%	10	10	20	Bachelor's degree or more, plus work exp.	\$62,984	\$21.53 - \$37.16
19-3021	Market Research Analysts	170	210	40	23.5%	<5	<5	<5	Master's degree	\$61,874	\$17.12 - \$38.95
19-3031	Clinical/Counseling/School Psych	170	210	40	23.5%	<5	<5	<5	Doctoral degree	\$50,546	\$19.21 - \$30.98
25-2041	Sp Ed Tchrs/Presch/Kind/Elem Schl	260	320	60	23.1%	10	10	20	Bachelor's degree	\$39,335	-
41-1012	F-L Sups/Mgrs of nonRtl Sls Wrks	260	320	60	23.1%	10	10	20	Work exp. in a related occupation	\$59,117	\$16.92 - \$33.42

Also included in the top fifty but not shown to protect the confidentiality of employers are the following occupations:

25-1071	Health Specialties Teachers Ps	*	*	*	*	10	10	20	Master's degree	*	*	*
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Sub-set totals (top 50)	22,210	29,170	6,960			790	420	1,210
Overall totals	171,420	195,270	23,850			2,390	4,250	6,640
Percent of overall	13%	15%	29%			33%	10%	18%

**Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004**

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# Occupation projections for West Central Wisconsin: 2002 - 2012

## Top 50 Occupations with Most Replacement Openings

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Education typically required	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
41-2011	Cashiers	5,520	6,230	710	12.9%	70	270	340	Short-term on-the-job training	\$15,547	\$6.35 - \$8.41
41-2031	Retail Salespersons	5,550	6,300	750	13.5%	80	200	280	Short-term on-the-job training	\$21,836	\$7.16 - \$12.02
35-3031	Waiters/Waitresses	3,300	3,760	460	13.9%	50	170	220	Short-term on-the-job training	\$15,646	\$6.01 - \$7.97
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	3,200	3,880	680	21.3%	70	140	210	Short-term on-the-job training	\$14,782	\$6.03 - \$8.04
53-7062	Labrs/Frght/Stock/Matrl Movers/Hand	3,000	3,100	100	3.3%	10	100	110	Short-term on-the-job training	\$20,460	\$7.76 - \$11.30
51-2092	Team Assemblers	3,430	3,220	-210	-6.1%	<5	90	90	Moderate-term on-the-job training	\$24,751	\$9.83 - \$13.56
43-5081	Stock Clerks/Order Fillers	2,240	2,230	-10	-0.4%	<5	80	80	Short-term on-the-job training	\$20,553	\$7.63 - \$11.80
35-3011	Bartenders	1,820	1,940	120	6.6%	10	70	80	Short-term on-the-job training	\$16,880	\$6.98 - \$8.39
29-1111	Registered Nurses	3,010	3,940	930	30.9%	90	60	150	Bachelor's or Associate degree (see note 9)	\$47,381	\$19.16 - \$25.69
43-9061	Office Clerks/General	2,750	2,990	240	8.7%	20	60	80	Short-term on-the-job training	\$21,285	\$8.12 - \$12.24
53-3032	Truck Drivers/Heavy/Tractor-Trailer	2,840	3,450	610	21.5%	60	50	110	Moderate-term on-the-job training	\$33,761	\$13.00 - \$19.36
37-2011	Janitors/Cleanrs Ex Maids/Hskpng	2,830	3,220	390	13.8%	40	50	90	Short-term on-the-job training	\$21,870	\$8.33 - \$12.45
41-4012	Sls Reps/Whlsl/Mfg/Ex Tech/Sci Prod	1,880	2,230	350	18.6%	40	50	90	Moderate-term on-the-job training	\$48,927	\$15.16 - \$29.22
43-3031	Bookkeep/Account/Auditing Clerks	2,410	2,520	110	4.6%	10	50	60	Moderate-term on-the-job training	\$25,215	\$9.71 - \$14.11
43-6014	Secretaries/Ex Legal/Medical/Exec	2,440	2,300	-140	-5.7%	<5	50	50	Moderate-term on-the-job training	\$25,125	\$10.15 - \$13.76
31-1012	Nursing Aides/Orderlies/Attendants	3,060	3,790	730	23.9%	70	40	110	Short-term on-the-job training	\$21,243	\$8.84 - \$11.37
25-2021	Elemen Schl Tchrs Ex Special Ed	1,840	2,030	190	10.3%	20	40	60	Bachelor's degree	\$41,498	-
25-2031	Secondary Schl Tchrs Ex Sp/Voc Ed	1,540	1,760	220	14.3%	20	40	60	Bachelor's degree	\$40,149	-
35-2021	Food Prep Wrkrs	1,130	1,350	220	19.5%	20	40	60	Short-term on-the-job training	\$17,085	\$7.18 - \$9.25
43-3071	Tellers	860	980	120	14.0%	10	40	50	Short-term on-the-job training	\$19,687	\$7.84 - \$10.34
43-4051	Customer Service Reps	1,880	2,260	380	20.2%	40	30	70	Moderate-term on-the-job training	\$27,788	\$9.62 - \$16.22
47-2031	Carpenters	1,520	1,870	350	23.0%	40	30	70	Long-term on-the-job training	\$33,082	\$12.87 - \$17.74
43-4171	Receptionists/Info Clerks	1,400	1,790	390	27.9%	40	30	70	Short-term on-the-job training	\$19,741	\$7.84 - \$10.97
11-1021	General and Operations Mgrs	1,790	2,080	290	16.2%	30	30	60	Bachelor's degree or more, plus work exp.	\$81,908	\$23.19 - \$49.71
49-9042	Maint/Repair Wrkrs/General	1,630	1,890	260	16.0%	30	30	60	Long-term on-the-job training	\$30,336	\$11.85 - \$16.99
41-1011	F-L Sups/Mgrs of Rtl Sls Wrkrs	1,560	1,830	270	17.3%	30	30	60	Work exp. in a related occupation	\$34,009	\$11.00 - \$19.79
25-9041	Teacher Assts	1,540	1,810	270	17.5%	30	30	60	Associate degree	\$22,979	-
53-7064	Packers/Packagers/Hand	1,560	1,730	170	10.9%	20	30	50	Short-term on-the-job training	\$19,133	\$6.61 - \$11.08
51-1011	First-Line Sups/Mgrs of Prdn/Operat Wrkrs	1,460	1,640	180	12.3%	20	30	50	Work exp. in a related occupation	\$46,083	\$15.88 - \$26.33
37-2012	Maids/Housekpng Cleaners	1,380	1,620	240	17.4%	20	30	50	Short-term on-the-job training	\$17,152	\$7.13 - \$9.37
53-7051	Industrial Truck/Tractor Oprs	1,400	1,580	180	12.9%	20	30	50	Short-term on-the-job training	\$27,094	\$11.57 - \$14.94

## Occupation projections for West Central Wisconsin: 2002 - 2012

### Top 50 Occupations with Most Replacement Openings

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Education typically required	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
43-6011	Executive Secretaries/Admin Assts	1,770	1,890	120	6.8%	10	30	40	Moderate-term on-the-job training	\$28,740	\$10.72 - \$16.38
43-1011	First-Line Sups/Mgrs-Offc/Admin Supp Wrks	1,540	1,620	80	5.2%	10	30	40	Work exp. in a related occupation	\$38,659	\$12.13 - \$22.26
49-3023	Automotive Service Techs/Mechanics	1,200	1,330	130	10.8%	10	30	40	Postsecondary vocational training	\$28,971	\$11.00 - \$16.96
25-2022	Middle School Tchrs/Ex Sp./Voc Ed	1,110	1,170	60	5.4%	10	30	40	Bachelor's degree	\$41,159	-
35-2014	Cooks/Restaurant	880	1,000	120	13.6%	10	30	40	Long-term on-the-job training	\$18,980	\$7.68 - \$10.45
35-9021	Dishwashers	940	990	50	5.3%	10	30	40	Short-term on-the-job training	\$14,516	\$6.14 - \$7.86
35-3022	Cntr Atts/Cafeter/Fd Conc/Coff Shop	520	600	80	15.4%	10	30	40	Short-term on-the-job training	\$16,717	\$7.08 - \$8.58
51-9198	Helpers--Production Wrks	1,000	1,030	30	3.0%	<5	30	30	Short-term on-the-job training	\$22,133	\$8.39 - \$12.58
35-2011	Cooks/Fast Food	820	850	30	3.7%	<5	30	30	Short-term on-the-job training	\$13,656	\$5.86 - \$6.94
39-9021	Personal and Home Care Aides	950	1,350	400	42.1%	40	20	60	Short-term on-the-job training	\$17,713	\$7.25 - \$9.73
13-2011	Accountants and Auditors	970	1,160	190	19.6%	20	20	40	Bachelor's degree	\$49,751	\$18.33 - \$27.43
33-3051	Police/Sheriff's Patrol Officers	910	1,070	160	17.6%	20	20	40	Long-term on-the-job training	\$38,829	\$15.48 - \$22.31
37-3011	Landscaping/Grndskpng Wrks	870	1,030	160	18.4%	20	20	40	Short-term on-the-job training	\$20,855	\$7.82 - \$12.03
47-2111	Electricians	760	990	230	30.3%	20	20	40	Long-term on-the-job training	\$44,311	\$16.95 - \$26.36
29-2061	Licensed Pract/Vocational Nurses	800	950	150	18.8%	20	20	40	Postsecondary vocational training	\$31,928	\$13.68 - \$16.90
51-4121	Welders/Cutters/Solderers/Brazers	800	950	150	18.8%	20	20	40	Postsecondary vocational training	\$31,066	\$12.81 - \$16.93
51-9111	Packagng/Filling Machn Oprs/Tendrs	1,150	1,290	140	12.2%	10	20	30	Short-term on-the-job training	\$27,366	\$10.27 - \$16.22
43-5071	Shipping/Receiving/Traffic Clerks	1,140	1,200	60	5.3%	10	20	30	Short-term on-the-job training	\$26,690	\$9.99 - \$15.43

Also included in the top fifty but not shown to protect the confidentiality of employers are the following occupations:

51-3023	Slaughterers/Meat Packers	*	*	*	*	20	20	40	Moderate-term on-the-job training	*	* *
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Sub-set totals (top 50)	89,900	101,790	11,890		1,280	2,490	3,770
Overall totals	171,420	195,270	23,850		2,390	4,250	6,640
Percent of overall	52%	52%	50%		54%	59%	57%

**Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004**

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# Occupation projections for West Central Wisconsin: 2002 - 2012

## Top 50 Occupations with the Most Job Openings

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Education typically required	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
41-2011	Cashiers	5,520	6,230	710	12.9%	70	270	340	Short-term on-the-job training	\$15,547	\$6.35 - \$8.41
41-2031	Retail Salespersons	5,550	6,300	750	13.5%	80	200	280	Short-term on-the-job training	\$21,836	\$7.16 - \$12.02
35-3031	Waiters/Waitresses	3,300	3,760	460	13.9%	50	170	220	Short-term on-the-job training	\$15,646	\$6.01 - \$7.97
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	3,200	3,880	680	21.3%	70	140	210	Short-term on-the-job training	\$14,782	\$6.03 - \$8.04
29-1111	Registered Nurses	3,010	3,940	930	30.9%	90	60	150	Bachelor's or Assoc. degree (see note 9)	\$47,381	\$19.16 - \$25.69
31-1012	Nursing Aides/Orderlies/Attendants	3,060	3,790	730	23.9%	70	40	110	Short-term on-the-job training	\$21,243	\$8.84 - \$11.37
53-3032	Truck Drivers/Heavy/Tractor-Trailer	2,840	3,450	610	21.5%	60	50	110	Moderate-term on-the-job training	\$33,761	\$13.00 - \$19.36
53-7062	Labrs/Frght/Stock/Matrl Movers/Hand	3,000	3,100	100	3.3%	10	100	110	Short-term on-the-job training	\$20,460	\$7.76 - \$11.30
37-2011	Janitors/Cleanrs Ex Maids/Hskpng	2,830	3,220	390	13.8%	40	50	90	Short-term on-the-job training	\$21,870	\$8.33 - \$12.45
41-4012	Sls Reps/Whlsl/Mfg/Ex Tech/Sci Prod	1,880	2,230	350	18.6%	40	50	90	Moderate-term on-the-job training	\$48,927	\$15.16 - \$29.22
51-2092	Team Assemblers	3,430	3,220	-210	-6.1%	<5	90	90	Moderate-term on-the-job training	\$24,751	\$9.83 - \$13.56
43-9061	Office Clerks/General	2,750	2,990	240	8.7%	20	60	80	Short-term on-the-job training	\$21,285	\$8.12 - \$12.24
35-3011	Bartenders	1,820	1,940	120	6.6%	10	70	80	Short-term on-the-job training	\$16,880	\$6.98 - \$8.39
43-5081	Stock Clerks/Order Fillers	2,240	2,230	-10	-0.4%	<5	80	80	Short-term on-the-job training	\$20,553	\$7.63 - \$11.80
43-4051	Customer Service Reps	1,880	2,260	380	20.2%	40	30	70	Moderate-term on-the-job training	\$27,788	\$9.62 - \$16.22
47-2031	Carpenters	1,520	1,870	350	23.0%	40	30	70	Long-term on-the-job training	\$33,082	\$12.87 - \$17.74
43-4171	Receptionists/Info Clerks	1,400	1,790	390	27.9%	40	30	70	Short-term on-the-job training	\$19,741	\$7.84 - \$10.97
31-1011	Home Health Aides	960	1,450	490	51.0%	50	10	60	Short-term on-the-job training	\$19,847	\$8.54 - \$10.54
39-9021	Personal and Home Care Aides	950	1,350	400	42.1%	40	20	60	Short-term on-the-job training	\$17,713	\$7.25 - \$9.73
11-1021	General and Operations Mgrs	1,790	2,080	290	16.2%	30	30	60	Bachelor's degree or more, plus work exp.	\$81,908	\$23.19 - \$49.71
49-9042	Maint/Repair Wrkrs/General	1,630	1,890	260	16.0%	30	30	60	Long-term on-the-job training	\$30,336	\$11.85 - \$16.99
41-1011	F-L Sups/Mgrs of Rtl Sls Wrkrs	1,560	1,830	270	17.3%	30	30	60	Work exp. in a related occupation	\$34,009	\$11.00 - \$19.79
25-9041	Teacher Assts	1,540	1,810	270	17.5%	30	30	60	Associate degree	\$22,979	-
25-2021	Elemen Schl Tchrs Ex Special Ed	1,840	2,030	190	10.3%	20	40	60	Bachelor's degree	\$41,498	-
25-2031	Secondary Schl Tchrs Ex Sp/Voc Ed	1,540	1,760	220	14.3%	20	40	60	Bachelor's degree	\$40,149	-
35-2021	Food Prep Wrkrs	1,130	1,350	220	19.5%	20	40	60	Short-term on-the-job training	\$17,085	\$7.18 - \$9.25
43-3031	Bookkeep/Account/Auditing Clerks	2,410	2,520	110	4.6%	10	50	60	Moderate-term on-the-job training	\$25,215	\$9.71 - \$14.11
53-7064	Packers/Packagers/Hand	1,560	1,730	170	10.9%	20	30	50	Short-term on-the-job training	\$19,133	\$6.61 - \$11.08
51-1011	First-Line Sups/Mgrs of Prdn/Operat Wrkrs	1,460	1,640	180	12.3%	20	30	50	Work exp. in a related occupation	\$46,083	\$15.88 - \$26.33
37-2012	Maids/Housekpng Cleaners	1,380	1,620	240	17.4%	20	30	50	Short-term on-the-job training	\$17,152	\$7.13 - \$9.37
53-7051	Industrial Truck/Tractor Oprs	1,400	1,580	180	12.9%	20	30	50	Short-term on-the-job training	\$27,094	\$11.57 - \$14.94

## Occupation projections for West Central Wisconsin: 2002 - 2012

### Top 50 Occupations with the Most Job Openings

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Education typically required	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
43-3071	Tellers	860	980	120	14.0%	10	40	50	Short-term on-the-job training	\$19,687	\$7.84 - \$10.34
43-6014	Secretaries/Ex Legal/Medical/Exec	2,440	2,300	-140	-5.7%	<5	50	50	Moderate-term on-the-job training	\$25,125	\$10.15 - \$13.76
53-3033	Truck Drivers/Light or Delivery Svcs	1,520	1,830	310	20.4%	30	10	40	Short-term on-the-job training	\$26,149	\$8.57 - \$15.37
13-2011	Accountants and Auditors	970	1,160	190	19.6%	20	20	40	Bachelor's degree	\$49,751	\$18.33 - \$27.43
33-3051	Police/Sheriff's Patrol Officers	910	1,070	160	17.6%	20	20	40	Long-term on-the-job training	\$38,829	\$15.48 - \$22.31
37-3011	Landscaping/Grndskpng Wrks	870	1,030	160	18.4%	20	20	40	Short-term on-the-job training	\$20,855	\$7.82 - \$12.03
47-2111	Electricians	760	990	230	30.3%	20	20	40	Long-term on-the-job training	\$44,311	\$16.95 - \$26.36
29-2061	Licensed Pract/Vocational Nurses	800	950	150	18.8%	20	20	40	Postsecondary vocational training	\$31,928	\$13.68 - \$16.90
51-4121	Welders/Cutters/Solderers/Brazers	800	950	150	18.8%	20	20	40	Postsecondary vocational training	\$31,066	\$12.81 - \$16.93
43-6011	Executive Secretaries/Admin Assts	1,770	1,890	120	6.8%	10	30	40	Moderate-term on-the-job training	\$28,740	\$10.72 - \$16.38
43-1011	First-Line Sups/Mgrs-Ofc/Admin Supp Wrks	1,540	1,620	80	5.2%	10	30	40	Work exp. in a related occupation	\$38,659	\$12.13 - \$22.26
49-3023	Automotive Service Techs/Mechanics	1,200	1,330	130	10.8%	10	30	40	Postsecondary vocational training	\$28,971	\$11.00 - \$16.96
25-2022	Middle School Tchrs/Ex Sp./Voc Ed	1,110	1,170	60	5.4%	10	30	40	Bachelor's degree	\$41,159	-
35-2014	Cooks/Restaurant	880	1,000	120	13.6%	10	30	40	Long-term on-the-job training	\$18,980	\$7.68 - \$10.45
35-9021	Dishwashers	940	990	50	5.3%	10	30	40	Short-term on-the-job training	\$14,516	\$6.14 - \$7.86
35-3022	Cntr Atts/Cafeter/Fd Conc/Coff Shop	520	600	80	15.4%	10	30	40	Short-term on-the-job training	\$16,717	\$7.08 - \$8.58
47-2061	Construction Laborers	810	980	170	21.0%	20	10	30	Moderate-term on-the-job training	\$31,183	\$12.13 - \$17.46
39-5012	Hairdress/Hairstyl/Cosmetologists	620	770	150	24.2%	20	10	30	Postsecondary vocational training	\$23,114	\$8.19 - \$13.67

Also included in the top fifty but not shown to protect the confidentiality of employers are the following occupations:

51-3023	Slaughterers/Meat Packers	*	*	*	*	20	20	40	Moderate-term on-the-job training	*	*	*
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Sub-set totals (top 50)	89,700	102,450	12,750		1,380	2,430	3,810
Overall totals	171,420	195,270	23,850		2,390	4,250	6,640
Percent of overall	52%	52%	53%		58%	57%	57%

**Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004**

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# Occupation projections for West Central Wisconsin: 2002 - 2012

## 44 Occupations Losing Most Jobs (there are not 50)

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Education typically required	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
51-2092	Team Assemblers	3,430	3,220	-210	-6.1%	<5	90	90	Moderate-term on-the-job training	\$24,751	\$9.83 - \$13.56
43-6014	Secretaries/Ex Legal/Medical/Exec	2,440	2,300	-140	-5.7%	<5	50	50	Moderate-term on-the-job training	\$25,125	\$10.15 - \$13.76
51-2022	Electrical/Electronic Equipmnt Assemblers	650	550	-100	-15.4%	<5	20	20	Short-term on-the-job training	\$24,222	\$8.27 - \$14.51
43-9022	Word Processors/Typists	230	130	-100	-43.5%	<5	10	10	Moderate-term on-the-job training	\$24,146	\$9.48 - \$13.64
51-6031	Sewing Machine Oprs	280	190	-90	-32.1%	<5	<5	<5	Moderate-term on-the-job training	\$21,233	\$9.20 - \$11.12
43-4151	Order Clerks	400	360	-40	-10.0%	<5	10	10	Short-term on-the-job training	\$23,933	\$9.08 - \$13.37
43-9011	Computer Oprs	160	120	-40	-25.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,459	\$9.91 - \$16.90
43-5053	PS Mail Sort/Proc/Proc Machn Oprs	310	280	-30	-9.7%	<5	10	10	Short-term on-the-job training	\$35,204	\$14.85 - \$19.94
43-9021	Data Entry Keyers	290	260	-30	-10.3%	<5	10	10	Moderate-term on-the-job training	\$22,312	\$9.26 - \$12.20
41-9041	Telemarketers	270	240	-30	-11.1%	<5	<5	<5	Short-term on-the-job training	\$19,792	\$7.94 - \$10.62
43-4131	Loan Interviewers/Clerks	170	140	-30	-17.6%	<5	<5	<5	Short-term on-the-job training	\$26,399	\$10.78 - \$14.27
11-1031	Legislators	450	430	-20	-4.4%	<5	10	10	Bachelor's degree or more, plus work exp.	\$19,861	\$7.49 - \$10.79
51-5022	Prepress Techs/Wrks	130	110	-20	-15.4%	<5	<5	<5	Long-term on-the-job training	\$46,739	\$14.81 - \$32.60
27-3010	Announcers	100	80	-20	-20.0%	<5	<5	<5	Long-term on-the-job training	\$22,557	\$7.79 - \$14.99
41-3041	Travel Agents	90	70	-20	-22.2%	<5	<5	<5	Postsecondary vocational training	\$24,414	\$10.05 - \$13.36
43-5041	Meter Readers/Utilities	70	50	-20	-28.6%	<5	<5	<5	Short-term on-the-job training	\$33,155	\$11.29 - \$19.81
43-5081	Stock Clerks/Order Fillers	2,240	2,230	-10	-0.4%	<5	80	80	Short-term on-the-job training	\$20,553	\$7.63 - \$11.80
41-2022	Parts Salespersons	390	380	-10	-2.6%	<5	10	10	Moderate-term on-the-job training	\$27,430	\$9.30 - \$15.78
43-4071	File Clerks	260	250	-10	-3.8%	<5	10	10	Short-term on-the-job training	\$19,756	\$8.02 - \$10.85
49-2022	Telecm Eqp Inst/Reprs/Ex Line Inst	170	160	-10	-5.9%	<5	<5	<5	Postsecondary vocational training	\$39,600	\$16.55 - \$21.97
51-7041	Saw Machn Set/Op/Tendrs/Wood	160	150	-10	-6.3%	<5	<5	<5	Moderate-term on-the-job training	\$25,073	\$9.13 - \$15.21
51-9023	Mix/Blend Machn Settrs/Oprs/Tendrs	160	150	-10	-6.3%	<5	<5	<5	Moderate-term on-the-job training	\$27,133	\$10.86 - \$14.23
51-4122	Weld/Solder/Braze Mchn Set/Op/Tnd	150	140	-10	-6.7%	<5	<5	<5	Moderate-term on-the-job training	\$28,411	\$11.08 - \$15.85
51-2023	Electromechanical Equipmnt Assemblers	130	120	-10	-7.7%	<5	<5	<5	Short-term on-the-job training	\$42,938	\$12.64 - \$29.37
51-9021	Crush/Grnd/Polish Set/Op/Tndrs	110	100	-10	-9.1%	<5	<5	<5	Moderate-term on-the-job training	\$31,742	\$11.81 - \$16.69
43-3061	Procurement Clerks	100	90	-10	-10.0%	<5	<5	<5	Short-term on-the-job training	\$26,957	\$11.33 - \$14.94
43-4061	Eligibility Interviewers/Gov't Progrms	100	90	-10	-10.0%	<5	<5	<5	Moderate-term on-the-job training	\$32,550	\$13.22 - \$17.13
51-9123	Painting/Coating/Decorating Wrks	100	90	-10	-10.0%	<5	<5	<5	Short-term on-the-job training	\$23,864	\$7.13 - \$13.98
11-9131	Postmasters/Mail Superintendents	50	40	-10	-20.0%	<5	<5	<5	Work exp. in a related occupation	\$52,066	\$22.41 - \$27.11
43-4041	Credit Authorizers/Checkers/Clerks	50	40	-10	-20.0%	<5	<5	<5	Short-term on-the-job training	\$30,061	\$9.07 - \$20.87
51-4193	Plate/Coat Mchn Set/Op/Tndrs/M/P	50	40	-10	-20.0%	<5	<5	<5	Moderate-term on-the-job training	\$22,453	\$8.99 - \$12.65

## Occupation projections for West Central Wisconsin: 2002 - 2012

### 44 Occupations Losing Most Jobs (there are not 50)

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Education typically required	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
51-6052	Tailors/Dressmakers/Custom Sewers	40	30	-10	-25.0%	<5	<5	<5	Work exp. in a related occupation	\$19,751	\$8.02 - \$10.47
51-6093	Upholsterers	30	20	-10	-33.3%	<5	<5	<5	Long-term on-the-job training	\$28,539	\$10.99 - \$16.77

Also included in the top 44 but not shown to protect the confidentiality of employers are the following occupations:

51-6042	Shoe Machine Oprs/Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-6041	Shoe/Leather Wrks/Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
51-2021	Coil Winders/Tapers/Finishers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
17-2061	Computer Hardware Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* *
43-2021	Telephone Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
49-9043	Maint Wrks/Machnry	*	*	*	*	<5	10	10	Long-term on-the-job training	*	* *
51-6051	Sewers/Hand	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* *
51-6062	Textl Cuttng Mchn Set/Ops/Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
51-6063	Textl Knit/Weav Mchn Set/Op/Tndrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* *
45-2021	Animal Breeders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* *
53-4021	Railroad Brake/Signal/Switch Oprs	*	*	*	*	<5	<5	<5	Work experience in a related occupation	*	* *

**Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004**

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# Occupation projections for West Central Wisconsin: 2002 - 2012

## Top 50 Occupations with Most Jobs in 2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Education typically required	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
41-2031	Retail Salespersons	5,550	6,300	750	13.5%	80	200	280	Short-term on-the-job training	\$21,836	\$7.16 - \$12.02
41-2011	Cashiers	5,520	6,230	710	12.9%	70	270	340	Short-term on-the-job training	\$15,547	\$6.35 - \$8.41
29-1111	Registered Nurses	3,010	3,940	930	30.9%	90	60	150	Bachelor's or Assoc. degree (see note 9)	\$47,381	\$19.16 - \$25.69
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	3,200	3,880	680	21.3%	70	140	210	Short-term on-the-job training	\$14,782	\$6.03 - \$8.04
31-1012	Nursing Aides/Orderlies/Attendants	3,060	3,790	730	23.9%	70	40	110	Short-term on-the-job training	\$21,243	\$8.84 - \$11.37
35-3031	Waiters/Waitresses	3,300	3,760	460	13.9%	50	170	220	Short-term on-the-job training	\$15,646	\$6.01 - \$7.97
53-3032	Truck Drivers/Heavy/Tractor-Trailer	2,840	3,450	610	21.5%	60	50	110	Moderate-term on-the-job training	\$33,761	\$13.00 - \$19.36
51-2092	Team Assemblers	3,430	3,220	-210	-6.1%	<5	90	90	Moderate-term on-the-job training	\$24,751	\$9.83 - \$13.56
37-2011	Janitors/Cleanrs Ex Maids/Hskpng	2,830	3,220	390	13.8%	40	50	90	Short-term on-the-job training	\$21,870	\$8.33 - \$12.45
53-7062	Labrs/Frght/Stock/Matrl Movers/Hand	3,000	3,100	100	3.3%	10	100	110	Short-term on-the-job training	\$20,460	\$7.76 - \$11.30
43-9061	Office Clerks/General	2,750	2,990	240	8.7%	20	60	80	Short-term on-the-job training	\$21,285	\$8.12 - \$12.24
43-3031	Bookkeep/Account/Auditing Clerks	2,410	2,520	110	4.6%	10	50	60	Moderate-term on-the-job training	\$25,215	\$9.71 - \$14.11
43-6014	Secretaries/Ex Legal/Medical/Exec	2,440	2,300	-140	-5.7%	<5	50	50	Moderate-term on-the-job training	\$25,125	\$10.15 - \$13.76
43-4051	Customer Service Reps	1,880	2,260	380	20.2%	40	30	70	Moderate-term on-the-job training	\$27,788	\$9.62 - \$16.22
43-5081	Stock Clerks/Order Fillers	2,240	2,230	-10	-0.4%	<5	80	80	Short-term on-the-job training	\$20,553	\$7.63 - \$11.80
41-4012	Sls Reps/Whls/Mfg/Ex Tech/Sci Prod	1,880	2,230	350	18.6%	40	50	90	Moderate-term on-the-job training	\$48,927	\$15.16 - \$29.22
11-1021	General and Operations Mgrs	1,790	2,080	290	16.2%	30	30	60	Bachelor's degree or more, plus work exp.	\$81,908	\$23.19 - \$49.71
25-2021	Elemen Schl Tchrs Ex Special Ed	1,840	2,030	190	10.3%	20	40	60	Bachelor's degree	\$41,498	-
35-3011	Bartenders	1,820	1,940	120	6.6%	10	70	80	Short-term on-the-job training	\$16,880	\$6.98 - \$8.39
43-6011	Executive Secretaries/Admin Assts	1,770	1,890	120	6.8%	10	30	40	Moderate-term on-the-job training	\$28,740	\$10.72 - \$16.38
49-9042	Maint/Repair Wrks/General	1,630	1,890	260	16.0%	30	30	60	Long-term on-the-job training	\$30,336	\$11.85 - \$16.99
47-2031	Carpenters	1,520	1,870	350	23.0%	40	30	70	Long-term on-the-job training	\$33,082	\$12.87 - \$17.74
41-1011	F-L Sups/Mgrs of Rtl Sls Wrks	1,560	1,830	270	17.3%	30	30	60	Work exp. in a related occupation	\$34,009	\$11.00 - \$19.79
53-3033	Truck Drivers/Light or Delivery Svcs	1,520	1,830	310	20.4%	30	10	40	Short-term on-the-job training	\$26,149	\$8.57 - \$15.37
25-9041	Teacher Assts	1,540	1,810	270	17.5%	30	30	60	Associate degree	\$22,979	-
43-4171	Receptionists/Info Clerks	1,400	1,790	390	27.9%	40	30	70	Short-term on-the-job training	\$19,741	\$7.84 - \$10.97
25-2031	Secondary Schl Tchrs Ex Sp/Voc Ed	1,540	1,760	220	14.3%	20	40	60	Bachelor's degree	\$40,149	-
53-7064	Packers/Packagers/Hand	1,560	1,730	170	10.9%	20	30	50	Short-term on-the-job training	\$19,133	\$6.61 - \$11.08
51-1011	First-Line Sups/Mgrs of Prdn/Operat Wrks	1,460	1,640	180	12.3%	20	30	50	Work exp. in a related occupation	\$46,083	\$15.88 - \$26.33
43-1011	First-Line Sups/Mgrs-Offc/Admin Supp Wrk	1,540	1,620	80	5.2%	10	30	40	Work exp. in a related occupation	\$38,659	\$12.13 - \$22.26
37-2012	Maids/Housekpng Cleaners	1,380	1,620	240	17.4%	20	30	50	Short-term on-the-job training	\$17,152	\$7.13 - \$9.37

## Occupation projections for West Central Wisconsin: 2002 - 2012

### Top 50 Occupations with Most Jobs in 2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Education typically required	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
53-7051	Industrial Truck/Tractor Oprs	1,400	1,580	180	12.9%	20	30	50	Short-term on-the-job training	\$27,094	\$11.57 - \$14.94
31-1011	Home Health Aides	960	1,450	490	51.0%	50	10	60	Short-term on-the-job training	\$19,847	\$8.54 - \$10.54
35-2021	Food Prep Wrks	1,130	1,350	220	19.5%	20	40	60	Short-term on-the-job training	\$17,085	\$7.18 - \$9.25
39-9021	Personal and Home Care Aides	950	1,350	400	42.1%	40	20	60	Short-term on-the-job training	\$17,713	\$7.25 - \$9.73
49-3023	Automotive Service Techs/Mechanics	1,200	1,330	130	10.8%	10	30	40	Postsecondary vocational training	\$28,971	\$11.00 - \$16.96
51-9111	Packagng/Filing Machn Oprs/Tendr	1,150	1,290	140	12.2%	10	20	30	Short-term on-the-job training	\$27,366	\$10.27 - \$16.22
43-5071	Shipping/Receiving/Traffic Clerks	1,140	1,200	60	5.3%	10	20	30	Short-term on-the-job training	\$26,690	\$9.99 - \$15.43
25-2022	Middle School Tchrs/Ex Sp./Voc Ed	1,110	1,170	60	5.4%	10	30	40	Bachelor's degree	\$41,159	-
13-2011	Accountants and Auditors	970	1,160	190	19.6%	20	20	40	Bachelor's degree	\$49,751	\$18.33 - \$27.43
33-3051	Police/Sheriff's Patrol Officers	910	1,070	160	17.6%	20	20	40	Long-term on-the-job training	\$38,829	\$15.48 - \$22.31
35-1012	F-L Sups/Mgrs Food Prep/Srv Wrks	930	1,050	120	12.9%	10	20	30	Work exp. in a related occupation	\$23,876	\$8.75 - \$13.39
51-9198	Helpers--Production Wrks	1,000	1,030	30	3.0%	<5	30	30	Short-term on-the-job training	\$22,133	\$8.39 - \$12.58
37-3011	Landscaping/Grndskpng Wrks	870	1,030	160	18.4%	20	20	40	Short-term on-the-job training	\$20,855	\$7.82 - \$12.03
35-2014	Cooks/Restaurant	880	1,000	120	13.6%	10	30	40	Long-term on-the-job training	\$18,980	\$7.68 - \$10.45
35-9021	Dishwashers	940	990	50	5.3%	10	30	40	Short-term on-the-job training	\$14,516	\$6.14 - \$7.86
47-2111	Electricians	760	990	230	30.3%	20	20	40	Long-term on-the-job training	\$44,311	\$16.95 - \$26.36
43-3071	Tellers	860	980	120	14.0%	10	40	50	Short-term on-the-job training	\$19,687	\$7.84 - \$10.34
47-2061	Construction Laborers	810	980	170	21.0%	20	10	30	Moderate-term on-the-job training	\$31,183	\$12.13 - \$17.46

Also included in the top fifty but not shown to protect the confidentiality of employers are the following occupations:

51-3023	Slaughterers/Meat Packers	*	*	*	*	20	20	40	Moderate-term on-the-job training	*	*	*
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Sub-set totals (top 50)	91,180	103,750	12,570		1,340	2,440	3,780
Overall totals	171,420	195,270	23,850		2,390	4,250	6,640
Percent of overall	53%	53%	53%		56%	57%	57%

**Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004**

Projections Methodology: Karin Wells, Economist

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### Education or training path for occupations in West Central Wisconsin WDA

Typical education or training path	Number of Occupations included	Estimate employment		Change		Annual average		
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings
<b>All occupations</b>	740	171,430	195,270	23,840	13.9%	2,400	4,280	6,680
Associate degree	34	4,660	5,710	1,050	22.5%	110	90	200
Bachelor's degree	105	20,600	24,610	4,010	19.5%	400	420	820
Master's degree	36	3,310	3,960	650	19.6%	70	70	140
First professional degree	16	1,430	1,810	380	26.6%	40	20	60
Doctoral degree	40	1,400	1,810	410	29.3%	40	30	70
Long-term on-the-job training	82	13,480	15,450	1,970	14.6%	200	300	500
Moderate-term on-the-job training	166	36,610	39,930	3,320	9.1%	330	780	1,110
Short-term on-the-job training	136	66,970	75,470	8,500	12.7%	850	2,070	2,920
Bachelor's degree or more, plus work exp.	30	5,620	6,530	910	16.2%	90	110	200
Work exp. in a related occupation	45	10,120	11,580	1,460	14.4%	150	220	370
Postsecondary vocational training	50	7,230	8,410	1,180	16.3%	120	170	290

**Notes:**

- (1) **Employment** is rounded to the nearest ten. Totals may not add due to rounding. Employment does not include self-employed or unpaid family workers.
- (2) **Replacements** are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver.  
Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) **Total** openings are the sum of new jobs and replacements.
- (4) **Typical Education and Training Path** gives a general indication of the education or training typically needed in the occupation.  
There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.  
**Short-Term On-the-Job Training:** These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.  
**Moderate-Term On-the-Job Training:** Training for these occupations usually occurs at the workplace and lasts from one to twelve months.  
**Long-Term On-the-Job Training:** These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.  
**Work Experience in Related Occupation:** Occupations in this category require skills and experience gained in other jobs.  
**Postsecondary Vocational Training:** These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.  
**Associate Degree:** This degree requires two years of full-time academic work beyond high school.  
**Bachelor's Degree:** This degree requires four or five years of full-time academic work at a college or university.  
**Master's Degree:** This degree requires one to two years of full-time study beyond a bachelor's degree.  
**Doctoral Degree:** This degree usually requires at least three years of full-time study beyond a bachelor's degree.  
**First Professional Degree:** These degrees typically require at least two years of full-time study beyond a bachelor's degree.  
**Bachelor's or higher degree, plus work experience:** These occupations require a bachelor's or higher degree, in addition to work experience in a related non-managerial position.  
Employment for Registered nurses is included under Bachelor's degree.

Information is derived using the May 2003 OES Survey, 2002 QCEW and 2002 CES (3/03 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2002 to 2012. It is important to note that unanticipated events may affect the accuracy of these projections.

**Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004**

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## Occupation Projections for West Central Wisconsin Workforce Development Area 2002-2012

### Notes:

- (1) Employment is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding. Employment does not include self-employed or unpaid family workers.
- (2) Replacements are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver. Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) Total openings are the sum of new jobs and replacements.
- (4) Typical Education and Training Path gives a general indication of the education or training typically needed in the occupation. There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.
  - Short-Term On-the-Job Training: These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.
  - Moderate-Term On-the-Job Training: Training for these occupations usually occurs at the workplace and lasts from one to twelve months.
  - Long-Term On-the-Job Training: These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.
  - Work Experience in Related Occupation: Occupations in this category require skills and experience gained in other jobs.
  - Postsecondary Vocational Training: These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.
  - Associate Degree: This degree requires two years of full-time academic work beyond high school.
  - Bachelor's Degree: This degree requires four or five years of full-time academic work at a college or university.
  - Master's Degree: This degree requires one to two years of full-time study beyond a bachelor's degree.
  - Doctoral Degree: This degree usually requires at least three years of full-time study beyond a bachelor's degree.
  - First Professional Degree: These degrees typically require at least two years of full-time study beyond a bachelor's degree.
  - Bachelor's or higher degree, plus work experience: This requires a bachelor's or higher degree, in addition to work experience in a related non-managerial position.
- (5) Average Annual Salary: An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.
- (6) Hourly Wage Rate - Middle Range: The middle range identifies the 25th and 75th percentiles in the hourly wage distribution for a given occupation.
  - Fifty percent of the workers in the occupation earn wages in this range. In most cases, the entry level wage is at or below the 25th percentile.
- (7) This code is specific to the Occupational Employment Statistics (OES) Survey and is not an official SOC code.
- (8) 33-2020 includes employment for 33-2021 and 33-2022. Education/training and wages are shown individually, if available.
  - 47-5040 includes employment for 47-5041 and 47-5042. Education/training and wages are shown individually, if available.
  - 51-8010 includes employment for 51-8011, 51-8012, and 51-8013. Education/training and wages are shown individually, if available.
  - 51-9199 includes employment for 51-9141. Education/training and wages are shown individually, if available.
  - 53-6099 includes employment for 53-2022, 53-6011, and 53-6041. Education/training and wages are shown individually, if available.
- (9) Depending upon the specific position and employer either a bachelor's degree or an associate degree are most common for the occupation of registered nurse.
  - \* Data is suppressed to preserve the confidentiality of employers. Some occupations with all suppressed data deleted.

Information is derived using the May 2003 OES Survey, 2002 QCEW and 2002 CES (3/03 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2002 to 2012. It is important to note that unanticipated events may affect the accuracy of these projections.

### Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004

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